FINDING OF NO SIGNIFICANT IMPACT

for

Salts of Mixed Volatile Fatty Acid Blend as a Feed Additive for Dairy Cattle

FAP-2193
Eastman Chemical Division
Eastman Kodak Company

The Center for Veterinary Medicine has carefully considered the potential environmental impact of this action and has concluded that this action will not have a significant effect on the quality of the human environment and that an environmental impact statement therefore will not be prepared.

Eastman Chemicals Division, Eastman Kodak Company, Kingsport, Tennessee has filed an application to use the ammonium salts or the calcium salts of mixed volatile fatty acids (AS-VFA or CS-VFA) as a feed additive for dairy cattle as a source of energy.

AS-VFA and CS-VFA are blends of the respective salts of volatile fatty acids which occur naturally in the environment as they are normal components of the rumen of cattle. Fatty acids are also normally metabolized and directly absorbed from the rumen, and large intestine. Following their absorption into the bloodstream, fatty acids are catabolized through normal metabolic pathways to yield nutritional energy, water, and carbon dioxide. Use of AS-VFA or CS-VFA as a feed additive for dairy cattle is not expected to significantly alter the prevalence or distribution of the fatty acids or the expected metabolites (water and carbon dioxide) in the environment. (Maynard, L.A. and Loosli, J.K., eds., 1969. Chapter 5, Animal Nutrition. Carbohydrates and their Metabolism, pages 81-82. McGraw Hill Book Company, N.Y.). Therefore, this action qualifies for conditional exemption from requirements to prepare an environmental impact analysis report under 21 CFR 25.1(f)(1)(iv).

In accordance with the requirements of 21 CFR 25.1(g), the sponsor has submitted the attached information on the potential environmental impact of the manufacturing process.

Attachment

10-4-84
Date

Beverly E Lautzenheiser
Primary Action Officer, HFV-220

10-4-84
Date

J L C Matheson
Preparer and Chief,
Environmental Staff, HFV-152

cc: Orig. & Dup., (FAP-2193)
Office File, HFV-152
Reading Board, HFV-152

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